

LZ2S SERIES • LIGHTING

316 STAINLESS FLUORESCENT FIXTURES



LINEARLITE® *
* marca registrada MEXICO

Class I, Div. 2, Groups A,B,C,D
Class I, Zone 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Group E,F,G
AEx nAII, Ex nAII
Wet Locations
NEMA 4X, IP66

CS Certified - File LR11713

ABS Type Approval

Applications

LINEARLITE® rugged 316 stainless fluorescent fixtures are suitable for wet, harsh, corrosive and hazardous locations. The LZ2S Series can be used in Class I, Division 2 and Zone 2 hazardous vapors and in Class II combustible dust areas typically found in refineries, chemical plants, waste water & sewage treatment facilities, as well as in tunnels, food processing and coastal areas.

ABS (American Bureau of Shipping) type approval for use on decks, vessels, platforms, barges, ships and boats. Also suitable for docks and marinas.

Features

- NEMA 4X & IP66 rated stainless enclosure with Lexan® impact resistant polycarbonate lens.
- Two 3/4" NPT stainless hubs - one at each end (includes aluminum 3/4" close-up plug and two 3/4" x 1/2" reducers for maximum user flexibility).
- Two 1/4" - 20 stainless bushings furnished in top of fixture for threaded rod.

Lexan® is a registered trademark of General Electric

Additional Data

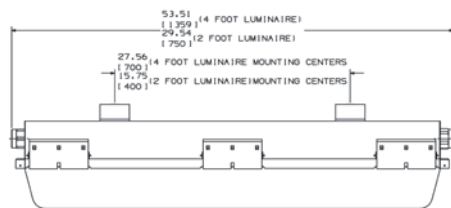
L209 - Emergency models

L175 - Ballast data

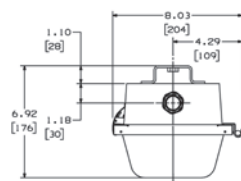
L176 - Mounting accessories/

Replacement parts

L176 - L177 - Photometrics



**See LZ2N
Logic for
Options**



LZ2S STAINLESS			
NUMBER OF LAMPS/WATTS	VOLTAGE AC 60 Hz	DESCRIPTION	LZ2S
BIAXIAL LAMP TYPE FIXTURES			
1-40W	120-277V	2' 1-Lamp Biaxial Electronic 50/60 Hz, 0°F Start 4-Pin	LZ2S40130
1-55W	120-277V	2' 1-Lamp Biaxial Electronic 50/60 Hz, 0°F Start 4-Pin	LZ2S55130
2-40W	120-277V	2' 2-Lamp Biaxial Electronic 50/60 Hz, 0°F Start 4-Pin	LZ2S40230
4-40W	120-277V	4' 4-Lamp Biaxial Electronic 50/60 Hz, 0°F Start 4-Pin	LZ2S40430
DOUBLE-ENDED LAMP TYPE FIXTURES			
2-17W	120-277V	2' 2-Lamp T-8 Electronic 50/60 Hz, 0°F Start Medium Bi-Pin	LZ2S17230
3-17W	120-277V	2' 3-Lamp T-8 Electronic 50/60 Hz, 0°F Start Medium Bi-Pin	LZ2S17330
2-28W	120-277V 50-60 Hz	4' 2-Lamp T-5 Electronic 0°F Start Miniature Bi-Pin	LZ2S28230
3-28W	120-277V 50-60 Hz	4' 3-Lamp T-5 Electronic 0°F Start Miniature Bi-Pin	LZ2S28330
2-32W ^②	120-277V 347V	4' 2-Lamp T-8 Electronic 50/60 Hz 0°F Start Medium Bi-Pin	LZ2S32230^② LZ2S32215
3-32W	120-277V 347V	4' 3-Lamp T-8 Electronic 50/60 Hz 0°F Start Medium Bi-Pin	LZ2S32330 LZ2S32315
2-40W	120V 277V 230V 50 Hz ^①	4' 2-Lamp T-12 Electronic Medium Bi-Pin Start 50°F 40W/60°F 34W	LZ2S40201 LZ2S40204 LZ2S40208
2-44W	120V 277V	4' 2-Lamp T-8 Electronic -20°F Start High Output Recessed Double Contact	LZ2S44230
2-54W 3-54W	120-277V	4' 2-Lamp T5 Electronic 50/60 Hz, -20°F Start Miniature Bi-Pin	LZ2S54230 LZ2S54330
2-60W	120-277V	4' 2-Lamp T-12 Electronic -20°F Start High Output Recessed Double Contact	LZ2S60230

① 50 Hz ballast is magnetic.

② Add suffix 55C for 2X 32W 120V-277V # L32S32230-55C.

LZ2S, LZ2SE HAZARDOUS LOCATION APPLICATION DATA									
NUMBER OF LAMPS/WATTS	RATED AMBIENT °C	SUITABLE FOR °C SUPPLY WIRE	CLASS I, DIV. 2 MAX. SURFACE TEMP.			CLASS II, DIV. 1 & 2 MAX. SURFACE TEMP.			CLASS III DIV. 1 & 2 SUITABILITY
			TEMP.	T-CODE	GROUPS	TEMP.	T-CODE	GROUPS	
1 X 40W BIAxIAL	40°	75	160°C	T3C	A, B, C, D	100°C	T5	E, F, G	Yes
1 X 55W BIAxIAL	40°	60	160°C	T3C	A, B, C, D	100°C	T5	E, F, G	Yes
2 X 40W BIAxIAL	40°	75	160°C	T3C	A, B, C, D	100°C	T5	E, F, G	Yes
4 X 40W BIAxIAL	40°	75	160°C	T3C	A, B, C, D	100°C	T5	E, F, G	Yes
2 X 17W	40°	60	85°C	T5	A, B, C, D	100°C	T5	E, F, G	Yes
3 X 17W	40°	60	85°C	T5	A, B, C, D	100°C	T5	E, F, G	Yes
2 X 28W	40°	60	120°C	T4A	A, B, C, D	100°C	T5	E, F, G	Yes
3 X 28W	40°	60	120°C	T4A	A, B, C, D	100°C	T5	E, F, G	Yes
2 X 32W	40°	60	85°C	T6	A, B, C, D	100°C	T5	E, F, G	Yes
2 X 32W	55° ^③	90	100°C	T5	A, B, C, D	N/A	N/A	N/A	Yes
3 X 32W	40°	60	85°C	T6	A, B, C, D	100°C	T5	E, F, G	Yes
2 X 40W	40°	60	120°C	T4A	A, B, C, D	100°C	T5	E, F, G	Yes
2 X 44W	40°	60	120°C	T4A	A, B, C, D	100°C	T5	E, F, G	Yes
2 X 54W	40°	75	160°C	T3C	A, B, C, D	100°C	T5	E, F, G	Yes
3 X 54W	35° ^④	75	180°C	T3A	A, B, C, D	N/A	N/A	N/A	Yes
2 X 60W	40°	75	135°C	T4	A, B, C, D	100°C	T5	E, F, G	Yes

③ L32SE, 40°C max. battery models.

④ T-code measured at 40°C.



KILLARK®



4' Nominal Style



2' Nominal Style

Quick release diffuser clamp and hinged cover requires no special tools.

LZ2N/LZ2S luminaires contain no exposed glass and carry Class II, "G" ratings required for many food processing areas.

Class I, Div. 2 Groups A,B,C,D
Class I, Zones 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups F,G
AEx nAII, Ex nAII
Wet Locations
NEMA 4X, IP66

Certified - File LR11713

ABS Type Approval
NSF Food Handling

FEATURES-SPECIFICATIONS

LINEARLITE® *

* marca registrada MEXICO

Applications

LINEARLITE® rugged Non-Metallic fluorescent fixtures are suitable for wet, harsh and hazardous locations. Use where enclosed and gasketed fixtures are required to withstand exposure to moisture, dust and corrosives. The LZ2N Series can also be used in Class I, Division 2 and Zone 2 hazardous vapors and in Class II areas where combustible dusts may exist. Typical areas used are in refineries, chemical plants, waste water & sewage treatment facilities, as well as in tunnels, food processing and coastal areas.

ABS (American Bureau of Shipping) type approval for use on decks, vessels, platforms, barges, ships and boats. Also suitable for docks and marinas.

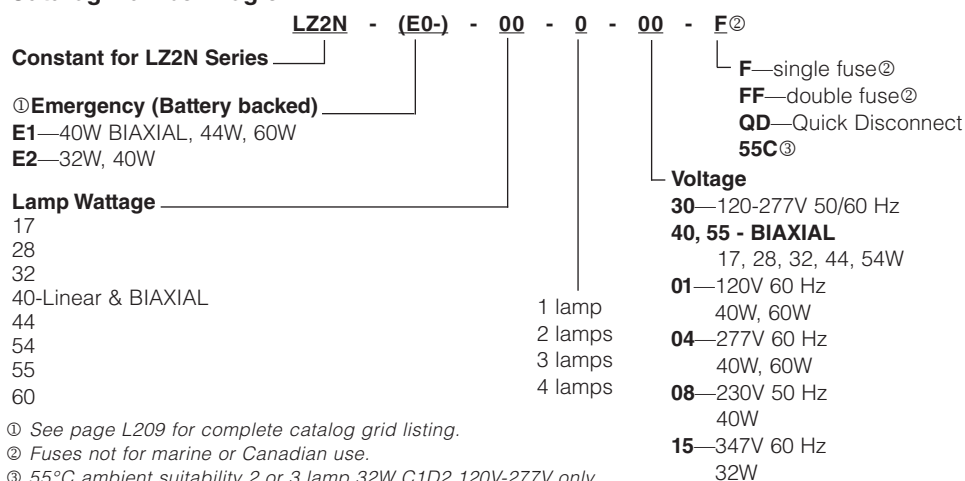
NSF (National Sanitation Foundation) approved for "Food Handling" areas, typically requiring non-glass lighting.

Features

- Housing-one piece fiberglass reinforced polyester, NEMA 4X & IP66 rated.
- Lexan® Clear Lens, impact resistant polycarbonate
- Two 3/4" NTP aluminum hubs - one at each end (includes one 3/4" close-up plug and two 3/4" x 1/2" reducers for maximum user flexibility)
- Two 1/4"-20 aluminum bushings furnished in top of fixture for threaded rod
- 2' and 4' luminaires
- Lamp types-
Linear 17, 28, 32, 40, 44, 54, 60W
Long compact 40, 55W (single ended)
- Electronic ballast standard
- World voltage (most models) 120 thru 277V, 50/60 Hz

Lexan® is a registered trademark of General Electric

Catalog Number Logic



LZ2N, LZ2NE HAZARDOUS LOCATION APPLICATION DATA											
NUMBER OF LAMPS/WATTS	RATED AMBIENT °C	SUITABLE FOR °C SUPPLY WIRE	CLASS I, DIV. 2 MAX. SURFACE TEMP.			CLASS II, DIV. 1 & 2 MAX. SURFACE TEMP.			CLASS III DIV. 1 & 2 SUITABILITY	NEMA 4X IP66	
			TEMP.	T-CODE	GROUPS	TEMP.	T-CODE	GROUPS			
2 X 17W	40°	60	85°C	T5	A, B, C, D	100°C	T5	F, G	Yes	Yes	
3 X 17W	40°	60	85°C	T5	A, B, C, D	100°C	T5	F, G	Yes	Yes	
1 X 40W BIAxIAL	40°	60	100°C	T5	A, B, C, D	100°C	T5	F, G	Yes	Yes	
1 X 55W BIAxIAL	40°	60	160°C	T3C	A, B, C, D	100°C	T5	F, G	Yes	Yes	
2 X 40W BIAxIAL	40°	60	100°C	T5	A, B, C, D	100°C	T5	F, G	Yes	Yes	
4 X 40W BIAxIAL	40°	60	120°C	T4A	A, B, C, D	100°C	T5	F, G	Yes	Yes	
2 X 28W	40°	60	120°C	T4A	A, B, C, D	100°C	T5	F, G	Yes	Yes	
3 X 28W	40°	60	120°C	T4A	A, B, C, D	100°C	T5	F, G	Yes	Yes	
2 X 32W	40°	75	85°C	T6	A, B, C, D	100°C	T5	F, G	Yes	Yes	
2 X 32W	55°①	90	100°C	T5	A, B, C, D	N/A	N/A	N/A	Yes	Yes	
3 X 32W	40°	75	85°C	T6	A, B, C, D	100°C	T5	F, G	Yes	Yes	
3 X 32W	55°①	90	100°C	T5	A, B, C, D	N/A	N/A	N/A	Yes	Yes	
2 X 40W	40°	60	120°C	T4A	A, B, C, D	100°C	T5	F, G	Yes	Yes	
2 X 44W	40°	60	100°C	T5	A, B, C, D	100°C	T5	F, G	Yes	Yes	
2 X 54W T5	40°	75	160°C	T3C	A, B, C, D	100°C	T5	F, G	Yes	Yes	
3 X 54W T5	40°	75	180°C	T3A	A, B, C, D	120°C	T4A	F, G	Yes	Yes	
2 X 60W	40°	75	135°C	T4	A, B, C, D	100°C	T5	F, G	Yes	Yes	

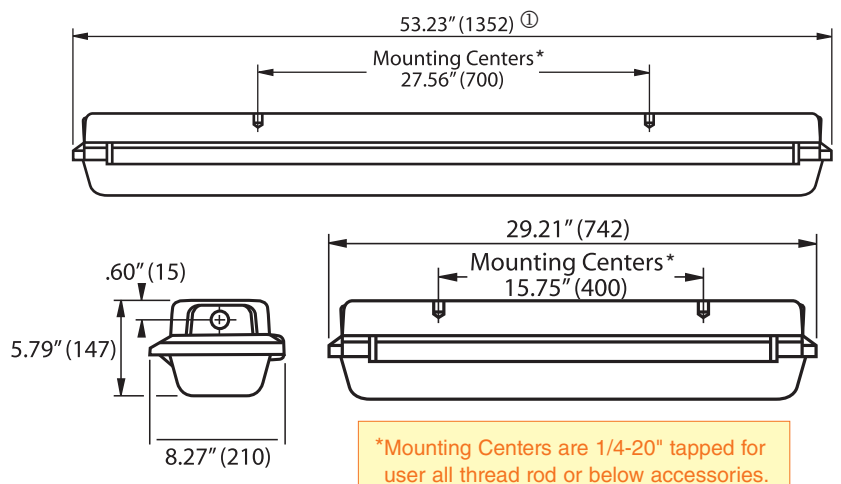
① LZ2NE, 40°C max. battery models.



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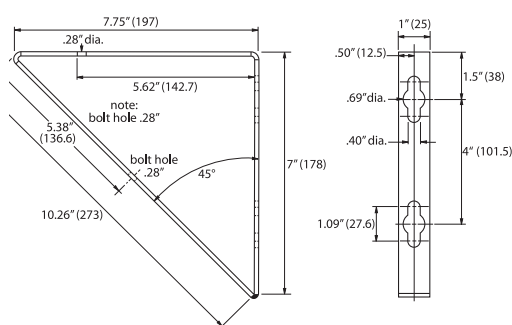
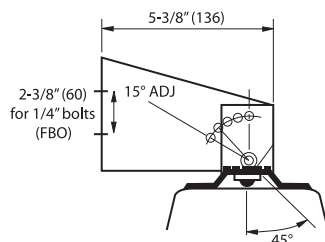


DIMENSIONS LZ2N, LZ2NE SERIES



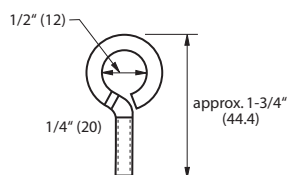
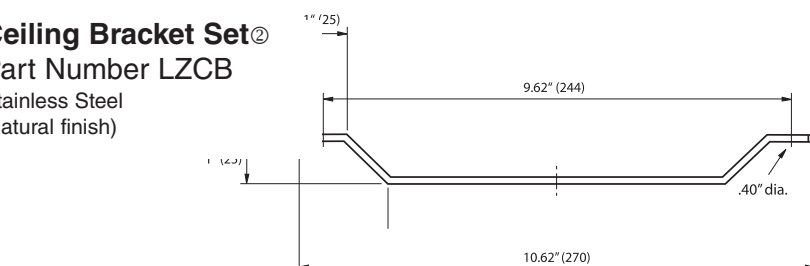
Mounting Accessories For All LZ2N, LZ2S Series

Wall Bracket Set② Part Number LZWB Stainless Steel (natural finish)



Adjustable Wall Bracket Set② Part Number LZAB Stainless Steel bracket with ceramic coated pivot bolt

Ceiling Bracket Set② Part Number LZCB Stainless Steel (natural finish)



Eyebolt Set Part Number LZEB Stainless Steel bolt with lockwasher & nut (natural finish)

Replacement Parts:	
LZ2N4LENS	4' Lens only LZ2N/LZ2S
LZ2N2LENS	2' Lens only LZ2N/LZ2S
LZ2N4BAR	4' Locking Bar only LZ2N
LZ2N2BAR	2' Locking Bar only LZ2N
LZ2S-LATCH	Latch and Spring

Suspension Chains (2 required)

Part Number HFX-SC

36" length plated steel chain with snap link ends
For use with LZEB

① Dimensions in () are millimeters.

② Product accessories have hardware for attachment to fixture; hardware to attach to wall/ceiling F.B.O.

NOTE: Eyebolts are 316 Series, brackets are 300 Series Stainless Steel.

FLUORESCENT FIXTURE- LZ2N(S)40230

2' - 2 40 Watt Biaxial

Lamp Type F40/2G11/835/RS

Lumens 3150 each

Total Bare Lamp
Lumens 6300

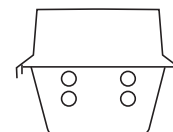
All data provided is for
F40/2G11/835/RS lamps

For LZ2N40130 1-lamp
models multiply x .50

For LZ2N55130
1-lamp models
multiply x .76

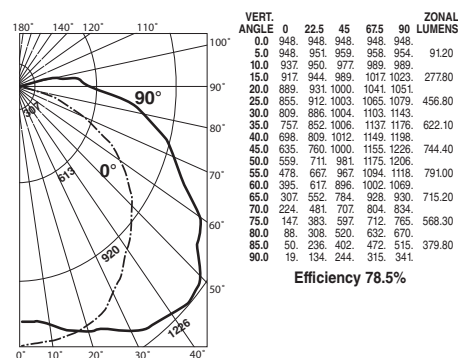
For LZ2N17230
multiply x .44

For LZ2N17330
multiply x .66



ZONAL LUMENS

ZONE LUMENS	
0-30	826
0-40	1447
0-60	2977
0-90	4638



COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE 1cc	80		70		50		30		10		0			
% WALL REFLECTANCE 1w	70	50	30	10	70	50	30	10	70	50	30	10	0	
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance													
0	92	92	92	90	90	90	90	84	84	80	80	76	76	74
1	81	76	72	68	79	74	70	66	70	66	63	66	63	61
2	73	65	58	53	70	63	57	52	59	54	50	56	52	48
3	65	56	48	42	63	54	47	42	51	45	40	48	43	39
4	59	49	41	35	57	47	40	34	45	38	33	42	37	32
5	54	43	35	29	52	42	34	29	39	33	28	37	32	27
6	50	38	30	25	48	37	30	25	35	29	24	33	28	23
7	46	34	27	22	44	33	26	21	32	25	21	30	25	20
8	43	31	24	19	41	30	24	19	29	23	18	27	22	18
9	40	28	21	17	38	28	21	17	26	20	16	25	20	16
10	37	26	19	15	36	25	19	15	24	19	15	23	18	14

SPACING TO MOUNTING HEIGHT RATIO - 1.28 0-180°
SPACING TO MOUNTING HEIGHT RATIO - 1.88 90-270°

Test No. BAL12356



KILLARK®


LZ2NE 2' Non-metallic

LZ2SE 4' Stainless

Class I, Div. 2 Groups A,B,C,D
Class I, Zones 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E^③, F,G
AEx nAII, Ex nAII
Wet Locations
NEMA 4X, IP66

Certified - File LR11713

ABS Type Approval

NSF Food Handling^④

FEATURES-SPECIFICATIONS

LINEARLITE[®] E
 * marca registrada MEXICO EMERGENCY

Applications

LINEARLITE Emergency Lighting fixtures provide continuous illumination under normal power and switch to emergency battery back-up during power outages. Units contain a battery unit that provides the OSHA required 90 minutes of illumination for egress.

Units are available in non-metallic or 316 Stainless construction and designed for wet, harsh and corrosive environments. The LZ2NE and LZ2SE Series can also be used in Class I, Division 2 and Zone 2 hazardous vapors and in Class II areas where combustible dusts may exist. Typical areas used are in refineries, chemical plants, waste water & sewage treatment facilities, as well as in tunnels, food processing and coastal areas.

ABS (American Bureau of Shipping) type approval for use on decks, vessels, platforms, garages, ships and boats. Also suitable for docks and marinas.

③ LZ2SE only for Group E

④ LZ2NE is NSF approved

Additional Data

L173 or L174 - Features

L175 - Ballast Data

L176 - Mounting Accessories

L176 - L177 - Photometrics

REPLACEMENT BATTERY UNIT

⑤ **KFBP7**

⑥ **KFBP7HO**

LZ2NE/LZ2SE BATTERY-BACKED

NUMBER OF LAMPS/WATTS	VOLTAGE AC 60 Hz	DESCRIPTION	LZ2NE ①	LZ2SE ①
BIAXIAL LAMP TYPE FIXTURES				
1-40W ^⑤	120-277V	2' 1-Lamp Bi-axial Electronic 50/60 Hz 0°F Start 4-Pin	LZ2NE1-40130	LZ2SE1-40130
1-55W ^⑤	120-277V	2' 1-Lamp Bi-axial Electronic 50/60 Hz 0°F Start 4-Pin	LZ2NE1-55130	LZ2SE1-55130
2-40W ^⑤	120-277V	2' 2-Lamp Bi-axial Electronic 50/60 Hz 0°F Start 4-Pin	LZ2NE1-40230	LZ2SE1-40230
4-40W ^⑤	120-277V	4' 4-Lamp Bi-axial Electronic 50/60 Hz 0°F Start 4-Pin	LZ2NE1-40430	LZ2SE1-40430
DOUBLE-ENDED LAMP TYPE FIXTURES				
2-17W ^⑤	120-277V	2' 2-Lamp T-8 Electronic 50/60 Hz 0°F Start Medium Bi-Pin	LZ2NE2-17230	LZ2SE2-17230
3-17W ^⑤	120-277V	2' 3-Lamp T-8 Electronic 50/60 Hz 0°F Start Medium Bi-Pin	LZ2NE2-17330	LZ2SE2-17330
2-28W ^⑤	120-277V	4' 2-Lamp T-5 Electronic 50/60 Hz 0°F Start Miniature Bi-Pin	LZ2NE1-28230	LZ2SE1-28230
3-28W ^⑤	120-277V	4' 3-Lamp T-8 Electronic 50/60 Hz 0°F Start Miniature Bi-Pin	LZ2NE1-28330	LZ2SE1-28330
2-32W ^⑤	120-277V	4' 2-Lamp T-8 Electronic 50/60 Hz 0°F Start Medium Bi-Pin	LZ2NE1-32230	LZ2SE1-32230
2-32W ^⑤	120-277V 347V	4' 2-Lamp T-8 Electronic 50/60 Hz 0°F Start Medium Bi-Pin	LZ2NE2-32230	LZ2SE2-32230
3-32W ^⑤	120-277V	4' 3-Lamp T-8 Electronic 50/60 Hz 0°F Start Medium Bi-Pin	LZ2NE1-32330	LZ2SE1-32330
3-32W ^⑤	120-277V 347V	4' 3-Lamp T-8 Electronic 50/60 Hz 0°F Start Medium Bi-Pin	LZ2NE2-32330	LZ2SE2-32330
2-40W ^⑤	120V 277V 230V 50 Hz ^②	4' 2-Lamp T-12 Electronic Medium Bi-Pin Start 50°F 40W/60°F 34W	LZ2NE2-40201 LZ2NE2-40204 LZ2NE2-40208	LZ2SE2-40201 LZ2SE2-40204 LZ2SE2-40208
2-44W ^⑤	120-277V	4' 2-Lamp T-8 Electronic -20°F Start High Output Recessed Double Contact	LZ2NE1-44230	LZ2SE1-44230
2-54W ^⑤	120-277V	4' 2-Lamp T-5 Electronic 50/60 Hz -20°F Start Miniature Bi-Pin	LZ2NE1-54230	LZ2SE1-54230
2-60W ^⑤	120-277V	4' 2-Lamp T-12 Electronic -20°F Start High Output Recessed Double Contact	LZ2NE1-60201	LZ2SE1-60230

① Digit after E is number of lamps energized during power loss. For optional fused ballasts, add to catalog number F1 for 120V, F4 for 277V, F8 for 230V. Fusing not for marine or Canadian use. Lamps not included.

② Magnetic ballast

Features

- NEMA 4 & IP66 rated enclosure
- Housing-one piece fiberglass reinforced polyester or 316 Stainless Steel
- Clear Lexan[®] impact resistant polycarbonate lens (Lexan is a registered trademark of General Electric)
- Two 3/4" NTP hubs - one at each end (includes one 3/4" close-up plug and two 3/4" X 1/2" reducers for maximum user flexibility)
- Two 1/4" - 20 bushings furnished in top of fixture for threaded rod

EMERGENCY LUMEN CHART

LAMPS	INITIAL LUMENS
2 X 17 T8	550
1 X 40 BIAxIAL	900
1 X 55 BIAxIAL	950
1 X 28 T5	1175
1 X 32 T8 (E1)	925
2 X 32 T8 (E2)	625
2 X 40 T12	610
1 X 44 T8	950
1 X 54 T5	1200
1 X 60 T12	780



KILLARK[®]